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(71) Applicant: **Eastman Kodak Company**
Rochester, NY 14650-2201 (US)

(72) Inventors:

- **Adams, James E.**
c/o Eastman Kodak Company
Rochester
New York 14650-2201
(US)

- **Hamilton, John F.**
c/o Eastman Kodak Company
Rochester
New York 14650-2201 (US)
- **Smith, Craig M.**
c/o Eastman Kodak Company
Rochester
New York 14650-2201 (US)

(74) Representative: **Weber, Etienne Nicolas et al**
Kodak Industrie
Département Brevets - CRT
Zone Industrielle
71102 Chalon sur Saône Cedex (FR)

(54) Removing color aliasing artifacts from color digital images

(57) A method of reducing color aliasing artifacts from a color digital image having color pixels including providing luminance and chrominance signals from the color digital image; downsampling the luminance and chrominance signals; using such downsampled luminance and chrominance signals to separate the image into textured and nontextured regions having boundaries; cleaning the downsampled chrominance signals in the textured regions in response to the boundaries of the textured region and the downsampled chrominance signals; cleaning the downsampled chrominance signals in the nontextured regions in response to the downsampled chrominance signals; upsampling the downsampled noise-cleaned chrominance signals; and using the luminance and upsampled noise-cleaned chrominance signals to provide a color digital image having reduced color aliasing artifacts.

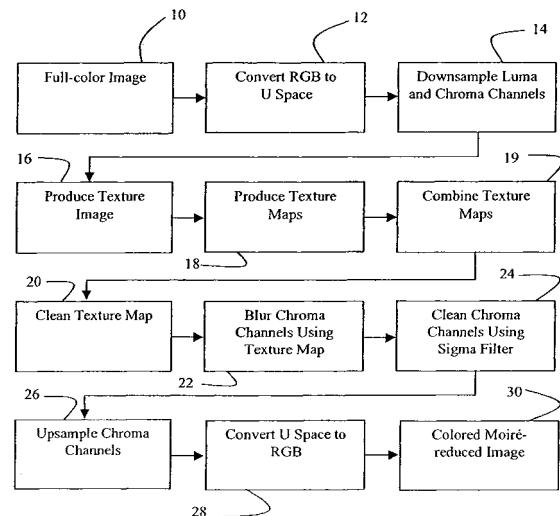


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
EP 03 07 8165

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
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			TECHNICAL FIELDS SEARCHED (IPC)
			G06T H04N
The present search report has been drawn up for all claims			
2	Place of search Munich	Date of completion of the search 17 March 2011	Examiner Kessler, Cordula
CATEGORY OF CITED DOCUMENTS <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

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